

**Oil Sands Tailings Research Facility (OSTRF)
5th Graduate Student – Industry Interaction Day
Wednesday, October 14, 2009**

Alberta Research Council Auditorium – 250 Karl Clark Road

Time	Presenter		Topic
8:30 - 9:00			Registration and Light Breakfast
9:00 - 9:10	David Segó	Chair	Welcome and Opening Remarks Safety Procedures
9:10 – 9:20	David Zhu	Supervisor	Experimental Studies on Jets
09:20 – 9:35	Amir Azimi	PhD Candidate	Experimental Study on particle-Laden Jets/plumes
9:35 – 9:50	Jianan Cai	Graduate Student	Experiments on Jets in Non-Newtonian Gel and on Beach
9:50 – 10:00	Julia Foght	Supervisor	Introduction to Carmen Li
10:00 – 10:15	Carmen Li	MSc Candidate	Microbes in Shell Albian Sands oil sands tailings ponds: methane and densification
10:15 – 10:45			Coffee
10:45 – 10:55	Dave Segó	Supervisor	Introduction to Tailings Dewatering Methods
10:55 - 11:10	Chenxi Zhang	MSc Candidate	Cross Flow Filtration of Oil Sand Total Tailings
11:10 – 11:25	Ying Zhang	MSc Candidate	Laboratory Simulation of Single Layer Freeze-Thaw Dewatering of Albian MFT
11:25 – 11:40	Reza Moussavi Nik	PhD Candidate	Characteristics of Non-Segregating Tailings made from centrifuged MFT
11:40 – 11:55	Nicholas Beier	PhD Candidate	Dynamic simulation of tailings management
11:55 – 13:00	Lunch		

Time	Presenter		Topic
13:00 - 13:10	Dave Sego	Supervisor	Introduction to Tailings behaviour
13:10 – 13:25	Silawat Jeeravipoolvarn	PhD Candidate	Exploring finite strain modeling approaches for thickener behavior
13:25 – 13:40	Saidul Alam	PhD Candidate	A comparative study on the effect of pore fluid chemistry on Suncor, Syncrude and Albion MFT
13:40 - 13:55	Amarebh Refera	PhD Candidate	Centrifuge Modeling of MFT, Sand Clay Mix and Sand Caps
13:55 – 14:10	Ehsan Abazarit	PhD Candidate	Stabilization of oil sand tailings
14:10 – 14:20	Ania Ulrich	Supervisor	Introduction to Naphthenic acids research
14:20 – 14:35	Mike Alostaz	Post Doc	Fluorescence characterization of naphthenic acids - 1
14:35 – 14:50	Andrea Ewanchuk	MSc Candidate	Fluorescence characterization of naphthenic acids -2
14:50 – 15:05	Christina Small	MSc Candidate	The Use of Adsorption Principles in the Removal of Naphthenic Acids from Process-Affected Water by Oil Sands Coke
15:05 – 15:20			Coffee
15:20 – 15:30	Mohamed Gamal El-din	Supervisor	Water Treatment Options and Their Applicability to Oil Sands Operations for Recycle and Safe Discharge
15:30 – 15:45	Yingnan Wang	MSc Candidate	Coagulation-Flocculation pre-treatment for Oil Sands Process-Affected Waters
15:45 – 16:00	Parastoo Pourrezaei	PhD Candidate	Activated Coke Adsorption treatment for Oil Sands Process-Affected Waters
16:00 – 16:15	Atefeh Afzal	PhD Candidate	Advanced Oxidation Processes for Treatment of Oil Sand Process Water
16:15 – 16:25	David Sego	Chair	Concluding Remarks

**Oil Sands Tailings Research Facility (OSTRF)
4th Graduate Student – Industry Interaction Day
Thursday, September 25, 2008**

Alberta Research Council Auditorium – 250 Karl Clark Road

Time	Presenter		Topic
8:30 - 9:00			Registration and Light Breakfast
9:00 - 9:10	David Segó	Chair	Welcome and Opening Remarks Safety Procedures
9:10 – 9:30	Nicholas Beier	PhD Candidate	Cross Flow Filtration of Oil Sand Total Tailings: Part I
09:30 – 9:50	Chenxi Zhang	MSc Candidate	Cross Flow Filtration of Oil Sand Total Tailings: Part II
9:50 – 10:10	Reza Moussavi Nik	PhD Candidate	Possibility of using centrifugal filtration for management of oil sands tailings
10:10 – 10:40			Coffee
10:40 – 10:50	Robert Donahue	Supervisor	The Impact of Mixed Clay Minerals on Ion Exchange and Sedimentation Behavior of Clay Sands Slurries
10:50 - 11:10	Nafisul Islam	MSc Candidate	The role of cation exchange on the sedimentation behavior of oil sands tailings.
11:10 – 11:30	Saidul Alam	PhD Candidate	Initial Standpipe Test Results Albian Sands Tailings
11:30 – 11:50	Amarebh Sorta	PhD Candidate	Consolidation test using centrifuge
11:50 – 12:10	Silawat Jeeravipoolvarn	PhD Candidate	Deposition of In-Line Thickened Tailings
12:10 – 13:00	Lunch		

Oil Sands Tailings Research Facility (OSTRF)
4th Graduate Student – Industry Interaction Day (Continued)
Thursday, September 25, 2008
Alberta Research Council Auditorium – 250 Karl Clark Road

Time	Presenter		Topic
13:00 - 13:20	Ehsan Abazarit	PhD Candidate	Stabilization of soft deposits
13:20 – 13:40	Neil Hall	MSc Candidate	Experimental Study of Sand and Slurry Jets in Water
13:40 – 14:00	Amir Azimi	PhD Candidate	Numerical study of sand jets in water
14:00 - 14:20	Jianan Cai	Graduate Student	Sand jets in water-capped artificial and real MFT
14:20 – 14:25	Julia Foght	Supervisor	Introduction to Carmen Li
14:25 – 14:45	Carmen Li	MSc Candidate	A Tale of Two Tailings Ponds
14:45 – 15:05	Heather Kaminsky	PhD Candidate	Characterization of Athabasca Oil Sands Tailings
15:05 – 15:20			Coffee
15:20 – 15:30	Mohamed Gamal El-din	Supervisor	Oil Sands Process Water Management Strategy
15:30 – 15:50	Yingnan Wang	MSc Candidate	Degradation of Naphthenic Acids in Athabasca Oil Sands Process-Affected
15:50 – 16:10	Parastoo Pourrezaei	PhD Candidate	Physical-Chemical Pre-treatment for Oil Sands Process-Affected Waters
16:10 – 16:20	David Segó	Chair	Concluding Remarks

Oil Sands Tailings Research Facility (OSTRF)
3rd Graduate Student – Industry Interaction Day
Thursday, September 27, 2007

Alberta Research Council Auditorium – 250 Karl Clark Road

Time	Presenter		Topic
8:30 - 9:00			Registration and Light Breakfast
9:00 - 9:10	David Segó	Chair	Welcome and Opening Remarks Safety Procedures
9:10 – 9:40	Nicholas Beier	PhD Candidate	Implications of Tailings Management and Planning Options
09:40 – 10:05	Keisuke Ikehata or Mohamed Gamal El-Din	Supervisors	Water Treatment Options and Their Applicability to Oil Sands Operations for Recycle and Safe Discharge
10:05 – 10:15	Yingnan Wang / Amena Sadek	MSc Candidate	Water Treatment Options and Their Applicability to Oil Sands Operations for Recycle and Safe Discharge
10:15 – 10:40	Reza Moussavi Nik	PhD Candidate	Approaches to Achieve Non-Segregating Tailings with Higher Solids Content
10:40 - 11:00			Coffee
11:00 – 11:25	Saidul Alam	PhD Candidate	Consolidation and Permeability Behavior of Oil Sands Tailings
11:25 – 11:50	Esahn Abazarit	PhD Candidate	Foam Tailings: A New Methodology in Stabilization of Tailings
11:50 - 12:15	Nafisul Islam	MSc Candidate	Impact of Clay Mineral-Water-Bitumen Geochemistry on Oil Sand Tailings Behavior and Recycled Water Quality
12:15 – 13:00	Lunch		

Oil Sands Tailings Research Facility (OSTRF)
3rd Graduate Student – Industry Interaction Day (Continued)
Thursday, September 27, 2007
Alberta Research Council Auditorium – 250 Karl Clark Road

Time	Presenter		Topic
13:00 - 13:25	Heather Kaminsky	PhD Candidate	Characterization of Athabasca Oil Sands Tailings
13:25 - 13:35	David Zhu and N. Rajaratam	Supervisors	Physical Modeling and Numerical Simulation of Slurry Jets in Water
13:35 – 14:00	Mohamed Elenany / Neil Hall	Graduate Students	Experimental Study of Sand and Slurry Jets in Water
14:00 – 14:25	Amir Azimi	Graduate Student	Numerical Simulation of Vertical Sand Jet in Water
14:25 - 14:35	Julia Foght	Supervisor	Oil Sands Tailings From a Microbial Perspective
14:35 – 15:00	Carmen Li	MSc Candidate	What's that smell? Microbes, tailings and methane
15:00 – 15:10	Nicholas Beier	Facility Manager	OSTRF Field Trip to Fort McMurray
15:10 – 15:20	David Sego	Chair	Concluding Remarks

**Oil Sands Tailings Research Facility (OSTRF)
2nd Graduate Student – Industry Interaction Day
Thursday, September 28, 2006**

Alberta Research Council Auditorium – 250 Karl Clark Road

Time	Presenter		Topic
8:30 - 9:00			Registration and Light Breakfast
9:00 - 9:15	David Sego	Chair	Welcome and Opening Remarks Safety Procedures
9:15 - 9:30	Rob Donahue	Supervisor	Impact of Clay Mineral-Water-Bitumen Geochemistry on Oil Sand Tailings Behavior and Recycled Water Quality
9:30 – 9:45	Tom Etsell and Douglas Ivey	Supervisors	Characterization of and By-product Recovery from the Oil Sands
9:45 – 10:10	Heather Kaminsky	PhD Candidate	Characterization of Oil Sands Tailings Mineralogy
10:10-10:35	Bryan Bale David Sego	MSc Completed Supervisor	Tailings Reclamation by Freeze-Thaw Dewatering
10:35 - 10:55			Coffee
10:55 – 11:20	Nicholas Beier	PhD Candidate	Trickle Freeze Separation of Contaminants from Saline Waste Water
11:20 – 11:45	Shihong Wu	MSc Candidate	Greenhouse studies of native grass Species for dewatering CT deposits
11:45 - 12:10	Reza Moussavi Nik	PhD Candidate	Approaches to achieve CT with higher solids content
12:10 – 13:00			Lunch

Oil Sands Tailings Research Facility (OSTRF)
2nd Graduate Student – Industry Interaction Day (Continued)
Thursday, September 28, 2006
Alberta Research Council Auditorium – 250 Karl Clark Road

Time	Presenter		Topic
13:00 - 13:15	David Zhu and N. Rajaratam	Supervisor	Fluid Dynamics of Slurry Jets
13:15 - 13:30	Keisuke Ikehata Mohamed Gamal El-Din	Supervisors	Water Treatment Options and Their Applicability to Oil Sands Operations for Recycle and Safe Discharge
13:30 – 13:45	Tariq Siddique Julia Foght	Supervisors	Biodegradation of petroleum hydrocarbons in oil sands tailings
13:45 – 14:00	David Sego		Concluding Remarks

**Oil Sands Tailings Research Facility (OSTRF)
Graduate Student – Industry Interaction Day
September 29, 2005**

Time	Presenter		Topic
9:00 - 9:10	David Segó	Chair	Welcome and Opening Remarks
9:10 - 9:15			Safety Procedures
9:15 - 9:30	David Zhu and N. Rajaratam	Supervisor	Physical Laboratory Study of Oil Sands Tailings Slurries
9:30 – 9:45	Tom Etsell and Douglas Ivey	Supervisors	Characterization of and By-product Recovery from the Oil Sands
9:45 – 10:10	Heather Kaminsky	PhD Candidate	Characterization of Oil Sands Tailings Mineralogy
10:10-10:20	Rob Donahue	Supervisor	Impact of clay Mineral-water-bitumen Geochemistry on Oil Sand Tailings Behavior and Recycled Water Quality
10:20 - 10:45			Coffee
10:45 – 11:00	David Segó	Supervisor	Dewatering and Strengthen of Tailings
11:00 – 11:25	Bryan Bales	MSc Candidate	Tailings Reclamation by Freeze-Thaw Dewatering
11:25 - 11:50	Reza Moussavi Nik	PhD Candidate	New Applications of Dewatering/Thickening methods in Oil Sands Tailings Management
11:50 – 12:15	Shihong Wu	MSc Candidate	TBA
12:15 – 13:15			Lunch

**Oil Sands Tailings Research Facility (OSTRF)
Graduate Student – Industry Interaction Day (Continued)**

Time	Presenter		Topic
13:15 - 13:40	Nick Beier	MSc Candidate	Freeze Separation of Contaminants from Salt Contaminated Water
13:40 – 13:55	Rick Chalaturnyk	Supervisors	TBA
13:55 - 14:15	Jun Wen Yang	PhD Candidate	TBA
14:15 - 14:30	Don Scott	Supervisor	TBA
14:30 - 14:55	Silawat Jeevaripoolvam	MSc Completed	TBA
14:55 - 15:20	Michel Chang	MSc Candidate	TBA
15:20 - 15:30	TBA	Director General CANMET	Concluding Remarks
15:30			Coffee and Mixer